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HYPACK® ADCP Device Setup with Nortek

By Ken Aiken

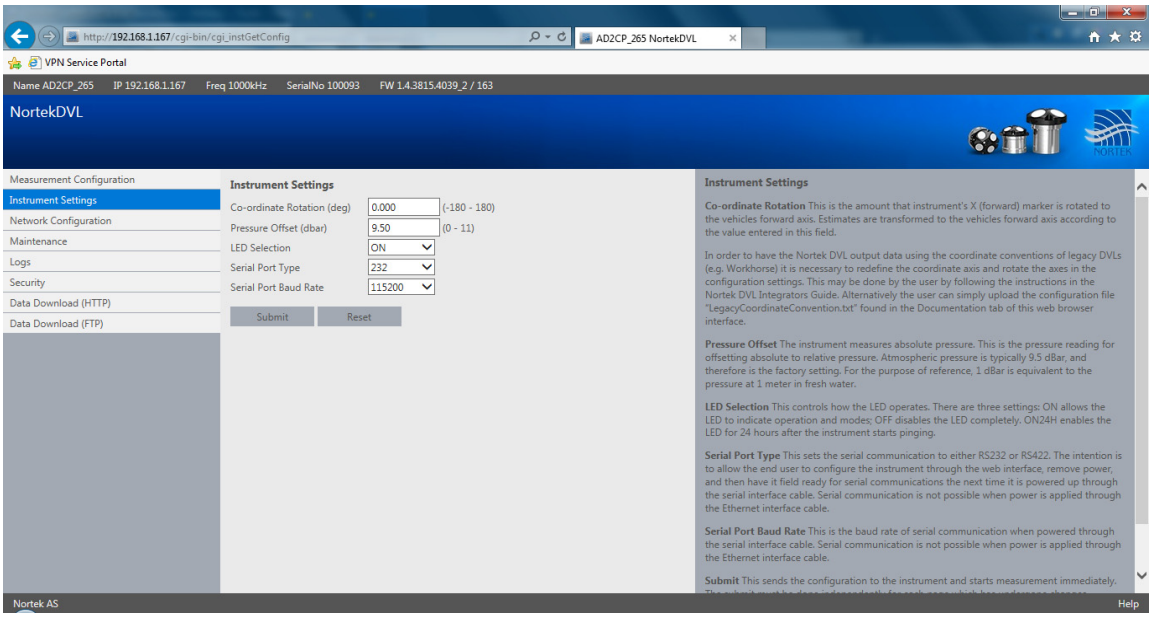
Configuring the Nortek ADCP to interface with HYPACK® is a two-step process. You must first use an Ethernet connection to access the Nortek firmware, then configure the ADCP driver in HYPACK® HARDWARE.

NORTEK SETUP

First, connect to the Nortek via the Ethernet connection and open the Nortek firmware in your web browser (192.168.1.167). The important pages are the Measurement Configuration and Instrument Settings.

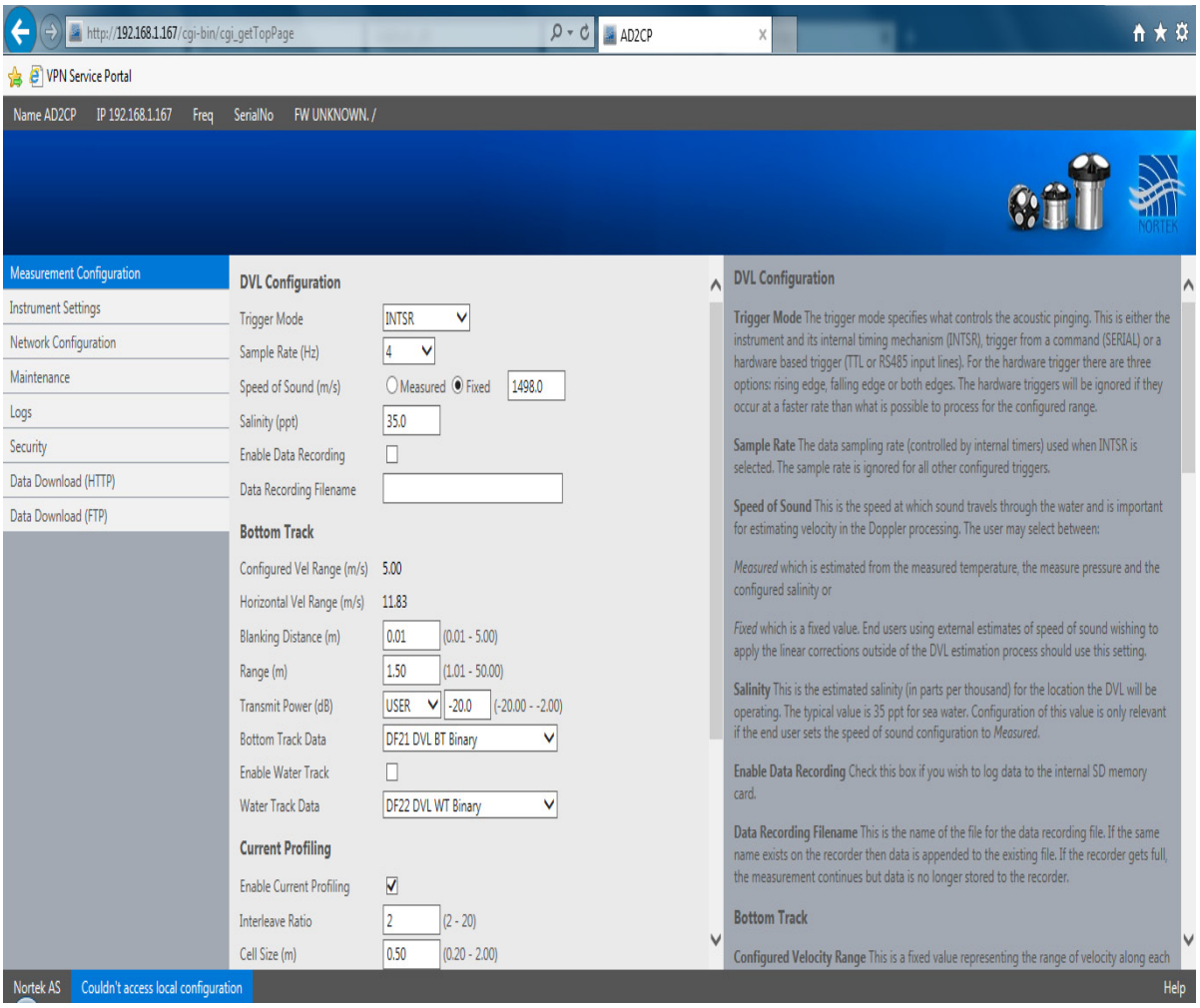
In the **Instrument Settings Page**, confirm your serial port settings are correct.

FIGURE 1. *Instrument Settings*



In the **Measurement Configuration** tab, select the INSTR Trigger Mode and ensure the Bottom Tracking and Current Profiling are set to support the Nortek format.

FIGURE 2. Measurement Configuration



HYPACK® SETUP

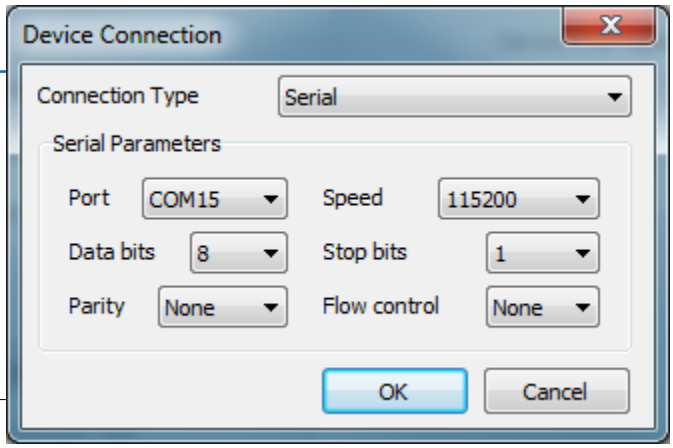
Once you are done in the Nortek firmware, disconnect the Ethernet connection and setup the ADCP driver in HARDWARE.

1. **Add the ADCP Driver to your configuration**.
2. **In the driver setup, select Nortek from the drop-down list and click [OK].**

FIGURE 3. Driver Setup

3. **In the Survey Connect Tab, set the Device Connection** as Serial, enter your port number and baud rate, then click [OK].

FIGURE 4. Configuring the Serial Connection



4. **Test the device is connected and working properly**. **[Test Device]** launches a sample Device window, as will appear in SURVEY. If all connections are correct and data is properly received, the scrolling data display draws in the device window.

NOTE: If the scrolling display is initially blank, click the green Go button to send the start command to the device.